

**TWO-WAY LED AUTOMATIC TRANSMISSION  
REMOTE STARTER WITH FULL ALARM SYSTEM**

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# User Guide

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## Introduction

This is a state-of-the-art remote starter system. The system is packed with advanced features such as priority access to the driver's door (commodity features) and the safe start children safety feature. With many an advanced function, this product will satisfy any one your expectations from high-end commodity and security systems, without neglecting any standard feature commonly offered by entry-level starters.

### INDUSTRY CANADA USER NOTICE:

Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (EIRP) is not more than that required for successful communication.

### FCC USER NOTICE (U.S.A.):

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

## Using the Remote Control

Your remote starter is equipped with a 5-button multi-channel remote control. It can operate two independent vehicles equipped with a remote starter (see **Multi-car operation** section on page 13). The functions of the transmitter are as follows:



**LOCK:** Locks the Doors and arms the Security System and the STARTER KILL.



**UNLOCK:** Unlocks the Doors and disarms the STARTER KILL.  
Activates the AUX 2 output if Priority Door Access is configured.



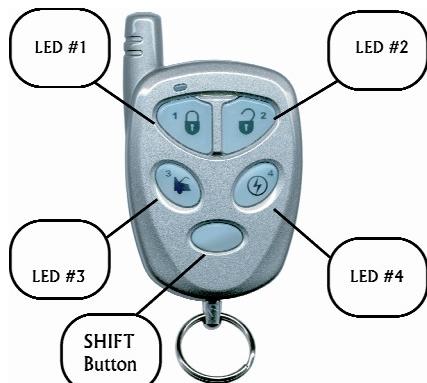
**TRUNK:** Opens the TRUNK or activates the AUX 3 output.



**START/STOP:** Remote start/stop. **Cold Weather Mode** by pressing the SHIFT button and then pressing and holding the START/STOP button for 3 seconds.



**AUX:** This button serves as a second function button. In combination with the other four buttons, this button allows to assign different functions to those buttons.



Picture serves as example only.

- Pressing and holding the **LOCK** button for more than 3 seconds will lock all doors and will send a constant pulse as long as the **LOCK** button is held down (maximum of 15 seconds). This constant pulse can be configured to activate certain functionalities such as rolling up the windows – **Please refer to your installer to see if your vehicle is compatible with this option.**
- Pressing and holding the **UNLOCK** button for more than 3 seconds will unlock all doors and will send a constant pulse as long as the **UNLOCK** button is held down (maximum of 15 seconds). This constant pulse can be configured to activate certain functionalities such as rolling down the windows – **Please refer to your installer to see if your vehicle is compatible with this option.**

## Feature Confirmation Chart

Feature	LED #1	LED #2	LED #3	LED #4	Beep(s)
Lock	3 flashes	X	X	X	1
Unlock	X	3 flashes	X	X	2
Trunk	X	X	3 flashes	X	1
Start	X	X	X	3 flashes	1
Running	X	X	X	3 flashes	3
Stop	X	X	X	3 flashes	2
Entering Cold Weather Mode	X	X	X	3 flashes	1...+ ... 2
Exiting Cold Weather Mode	X	X	X	3 flashes	1... + ...1
Home Valet	3 flashes	X	X	3 flashes	2
Valet Mode	3 flashes	X	X	3 flashes	1
Exit Valet Mode	X	3 flashes	X	3 flashes	1

## Vehicle Status Request

The status request feature allows the user to see the status of the vehicle —i.e.: if the doors are locked or unlocked or if the vehicle is in cold weather mode, home valet mode, in valet mode or how much time is left in the run time cycle. The following charts (Tables 1, 2 and 3) indicate the confirmation sequences.

### To retrieve the vehicle status:

Press and release the **SHIFT** button then press and release the **TRUNK** button (there will be a beep). The transmitter will then flash the corresponding sequence of LEDs depending on the vehicle's status.

- If the engine is **NOT** running, refer to Table 1.
- If the engine **IS** running under a remote start, refer to Table 2 (if the doors are locked) or refer to Table 3 (if the doors are unlocked).

The status request feature is a two-step procedure:

- The first sequence of flashes denotes if the vehicle's doors are locked or unlocked.
- The second sequence of flashes (if applicable) denotes if the vehicle is *Cold weather mode*, *Home valet mode*, or, *Valet mode*.
- If there is no second sequence transmission, that the vehicle is not in any of the three (3) mentioned features (*Cold weather mode*, *Home valet mode* or *Valet mode*).

## Status Request When the Engine IS NOT Running

STATUS	SEQUENCE	LED #1	LED #2	LED #3	LED #4	Beep(s)
Lock		3 flashes	X	X	X	1
Unlock		X	3 flashes	X	X	2
Cold Weather	1 <sup>st</sup> sequence if locked	3 flashes	X	X	X	2
	1 <sup>st</sup> sequence if unlocked	X	3 flashes	X	X	2
	2 <sup>nd</sup> sequence	X	X	X	1 second	X
Home Valet	1 <sup>st</sup> sequence if locked	3 flashes	X	X	X	2
	1 <sup>st</sup> sequence if unlocked	X	3 flashes	X	X	2
	2 <sup>nd</sup> sequence	1 second	X	X	1 second	X
Valet Mode	1 <sup>st</sup> sequence if locked	3 flashes	X	X	X	1
	1 <sup>st</sup> sequence if unlocked	X	3 flashes	X	X	1
	2 <sup>nd</sup> sequence	1 second	X	X	1 second	X

Table 1

## Status Request When the Engine is Running

### When the vehicle's doors are locked:

RUN TIME	SEQUENCE	LED #1	LED #2	LED #3	LED #4	Beep(s)
If there is more than 3/4 of run time cycle	1 <sup>st</sup> sequence	3 flashes	X	X	X	3
	2 <sup>nd</sup> sequence	ON for 1-sec	ON for 1-sec	ON for 1-sec	ON for 1-sec	X
If there is more than half of run time cycle	1 <sup>st</sup> sequence	3 flashes	X	X	X	3
	2 <sup>nd</sup> sequence	ON for 1-sec	ON for 1-sec	ON for 1-sec	X	X
If there is more than 1/4 of run time cycle	1 <sup>st</sup> sequence	3 flashes	X	X	X	3
	2 <sup>nd</sup> sequence	ON for 1-sec	ON for 1-sec	X	X	X
If there is less than 1/4 of run time cycle	1 <sup>st</sup> sequence	3 flashes	X	X	X	3
	2 <sup>nd</sup> sequence	ON for 1-sec	X	X	X	X

Table 2

**When the vehicle's doors are unlocked:**

RUN TIME	SEQUENCE	LED #1	LED #2	LED #3	LED #4	Beep(s)
If there is more than 3/4 of run time cycle	1 <sup>st</sup> sequence	X	3 flashes	X	X	3
	2 <sup>nd</sup> sequence	ON for 1-sec	ON for 1-sec	ON for 1-sec	ON for 1-sec	X
If there is more than half of run time cycle	1 <sup>st</sup> sequence	X	3 flashes	X	X	3
	2 <sup>nd</sup> sequence	ON for 1-sec	ON for 1-sec	ON for 1-sec	X	X
If there is more than 1/4 of run time cycle	1 <sup>st</sup> sequence	X	3 flashes	X	X	3
	2 <sup>nd</sup> sequence	ON for 1-sec	ON for 1-sec	X	X	X
If there is less than 1/4 of run time cycle	1 <sup>st</sup> sequence	X	3 flashes	X	X	3
	2 <sup>nd</sup> sequence	ON for 1-sec	X	X	X	X

Table 3

## Alarm Status

STATUS	SEQUENCE	LED #1	LED #2	LED #3	LED #4	Beep(s)
Door	If door is opened	1. flash 2. flash	1. flash 2. X	1. flash 2. X	1. flash 2. X	continuous
Hood	If hood is opened	flash	flash	flash	flash	continuous
Ignition	If ignition is turned ON	1. flash 2. X	1. flash 2. X	1. flash 2. X	1. flash 2. flash	continuous
Shock	If shock activated	1. flash 2. flash	1. flash 2. flash	1. flash 2. X	1. flash 2. X	continuous
Trunk	If trunk is opened	1. flash 2. X	1. flash 2. X	1. flash flash	1. flash 2. X	continuous
Remote finder	Valet switch on for 3 sec.	X	X	X	X	continuous

Table 4

## How Run Time Cycles Work

RUN TIME CYCLE	LED #1 will turn itself off when ...	LED #2 will turn itself off...	LED #3 will turn itself off ...	LED #4 will turn itself off...
4-minute run time cycle	... the cycle will have ended.	... 3 minutes into the cycle.	... 2 minutes into the cycle.	... 1 minute into the cycle.
9-minute run time cycle	... the cycle will have ended.	... 7 minutes into the cycle.	... 5 minutes into the cycle.	... 3 minutes into the cycle.
15-minute run time cycle	... the cycle will have ended.	... 11 minutes into the cycle.	... 7 minutes into the cycle.	... 3 minutes into the cycle.
20-minute run time cycle	... the cycle will have ended.	... 15 minutes into the cycle.	... 10 minutes into the cycle.	... 5 minutes into the cycle.
25-minute run time cycle	... the cycle will have ended.	... 19 minutes into the cycle.	... 13 minutes into the cycle.	... 7 minutes into the cycle.
30-minute run time cycle	... the cycle will have ended.	... 23 minutes into the cycle.	... 16 minutes into the cycle.	... 9 minutes into the cycle.

Table 5

**Example:** If the vehicle was programmed with a run time cycle of 15 minutes and the engine was running (under a remote start) for 5 minutes (meaning there is 10 minutes left in the run time cycle), LEDs #1 #2 and #3 would light up. LED #3 will turn itself off when there will be 8 minutes or less left in the run time cycle.

## Multi-Level Features (*default state*)

### Basic Features (press the SHIFT button 1X)

SHIFT ➤	LOCK: .....	aux 2
SHIFT ➤	TRUNK: .....	status request
SHIFT ➤	START/STOP .....	cold weather

### Multi-Car Operation (press the SHIFT button 2X)

SHIFT ➤ SHIFT ➤	LOCK: .....	2 <sup>nd</sup> car lock
SHIFT ➤ SHIFT ➤	UNLOCK: .....	2 <sup>nd</sup> car unlock
SHIFT ➤ SHIFT ➤	START/STOP: .....	2 <sup>nd</sup> car start/stop
SHIFT ➤ SHIFT ➤	TRUNK: .....	2 <sup>nd</sup> car trunk

### Customized Features (press the SHIFT button 3X)

(May not be applicable for certain vehicles)

Your installer can add customized features such as turning on the radio, opening sliding doors, etc.

SHIFT ➤ SHIFT ➤ SHIFT ➤	LOCK: .....	customized feature 1
SHIFT ➤ SHIFT ➤ SHIFT ➤	UNLOCK: .....	customized feature 2
SHIFT ➤ SHIFT ➤ SHIFT ➤	TRUNK: .....	customized feature 3
SHIFT ➤ SHIFT ➤ SHIFT ➤	START/STOP: .....	customized feature 4

### Setting Transmitter Features (press the SHIFT button 4X)

By default, the multi-level features are programmed as follows:

- Level 1 (Basic Features)
- Level 2 (Multi car operation)
- Level 3 (Customized Features)

- To access a feature that is programmed as level 1, press the **SHIFT** button once followed by the desired function.
- To access a feature that is programmed as level 2, press the **SHIFT** button twice followed by the desired function.
- To access a feature that is programmed as level 3, press the **SHIFT** button three times followed by the desired function.

Your installer can customize the system as to personalize these multi-level features in an order that best suits you. Your options are:

#### **Option 1:**

Level 1 (requires pressing the <b>SHIFT</b> button 1X)	→	Multi car operation
Level 2 (requires pressing the <b>SHIFT</b> button 2X)	→	Basic features
Level 3 (requires pressing the <b>SHIFT</b> button 3X)	→	Customized features

#### **Option 2:**

Level 1 (requires pressing the <b>SHIFT</b> button 1X)	→	Basic features
Level 2 (requires pressing the <b>SHIFT</b> button 2X)	→	Multi car operation
Level 3 (requires pressing the <b>SHIFT</b> button 3X)	→	Customized features

#### **Option 3:**

Level 1 (requires pressing the <b>SHIFT</b> button 1X)	→	Customized features
Level 2 (requires pressing the <b>SHIFT</b> button 2X)	→	Multi car operation
Level 3 (requires pressing the <b>SHIFT</b> button 3X)	→	Basic features

#### **Option 4:**

Level 1 (requires pressing the <b>SHIFT</b> button 1X)	→	Basic features
Level 2 (requires pressing the <b>SHIFT</b> button 2X)	→	Customized features
Level 3 (requires pressing the <b>SHIFT</b> button 3X)	→	Multi car operation

**Example:** If the multi-level features were set to option 3, the setup would be as follows:

- Level 1 → Customized feature
- Level 2 → Multi car operation
- Level 3 → Basic features

The “**Basic features**” are now programmed as level 3 and therefore:

- To access the **aux.2** feature, the user needs to press on the **SHIFT** button **three** (3) times followed by the **LOCK** button.
- To access the **status request** feature, the user needs to press on the **SHIFT** button **three** (3) times followed by the **TRUNK** button.
- To access **cold weather mode**, the user needs to press on the **SHIFT** button **three** (3) times followed by the **START/STOP** button.

## Remote-Starting Your Vehicle

Press the **START/STOP** button for approx. 1 second. The parking lights will come **ON** and the transmitter will beep once to inform you that the remote starter has received your signal. Approximately 5 seconds later, the engine will start. The transmitter will beep 3 times and the parking lights will remain **ON** during the pre-programmed run time of the engine.

If the vehicle does not start at the first attempt, the system will shut down, wait a few seconds and try to start the engine again. There will be 3 start attempts before the system gives up.

## Vehicle Presets

### Heater & Heated Seats

When leaving the vehicle it is recommended to preset the accessory controls in preparation for the next remote start. Settings for the blower motor (fan), front and rear, as well as heated seats (if equipped) should not be left on HIGH. It is recommended to leave the settings on LOW or MEDIUM instead.

### Windshield Wipers & Radio & Headlights

Certain vehicles require the radio and / or windshield wiper and / or headlight circuits to become energized while running under remote start. When leaving the vehicle you must ensure that the windshield wiper and headlight switches are OFF. Leaving the headlight switch ON on certain types of vehicles could cause them to remain ON even after remote starter shut down, resulting in a dead battery.

### Driving Off

With the vehicle running under remote control, press the UNLOCK button to disarm the security system and unlock the doors. Enter the vehicle and do the following:

Turn the ignition key to the IGNITION ON (RUN) position. (Do not turn the key to the CRANK position while the engine is running. This would cause the starter motor to re-engage.)

Press the brake pedal to disengage the remote starter unit.

You are now ready to drive off.

## Using the Remote Starter

### Arming and Disarming the Security System

To **disarm** the alarm and Starter Kill (if installed) and unlock the doors (if installed):

1. Press and hold the UNLOCK button for approx. 1 sec.

You will hear **two chirps** if the Siren or Horn is so configured.

2. The UNLOCK button will light up on the L.E.D. display of the remote control. The parking lights will flash twice and the L.E.D. will go out to confirm that the doors have been unlocked and that the starter kill (if installed) and the alarm are disarmed. Turning the ignition ON and OFF will reset the alarm memory.

In Passive Mode, the System will rearm automatically 30 seconds after the key is out of the ignition or was not turned to the ON position and the last door is closed. Remember that if the vehicle was remote started, the break pedal must be pressed in order to allow the remote car starter / alarm to detect that the user has taken over control of the vehicle and so to stop the sequence for passive rearm.

To **arm** the alarm and Starter Kill (if installed) and lock the doors (if installed):

1. Press and hold the lock button for approx. 1 sec.

You will hear **one chirp** if the Siren or Horn is so configured.

2. The LOCK button will light up on the L.E.D. display of the remote control. The parking lights will flash once and the L.E.D. will flash slowly to confirm that the doors have been locked and that the Starter Kill feature (if installed) and the alarm are armed.

### Idle Mode

**Convenience feature:** Idle mode allows you to keep the engine running, the doors locked and the security system armed while you stop, for example, at a convenience store or for a short delivery.

This feature allows you to let the remote starter take over control of the vehicle (i.e. no key in the ignition switch) while the engine is running. For example, if you stop for a delivery or at a convenience store, lock your vehicle and leave it running for the length of a run cycle while you are away. The security system will ensure the protection of the vehicle.

### To leave the vehicle in idle mode:

1. With the engine running, press the **LOCK** or **UNLOCK** button (to unlock the doors) or the **START/STOP** button on the remote control until the parking lights come on.
2. Remove the key and exit the vehicle. The engine will go on running.
3. Lock the doors if needed.

The engine will go on running until the user re-enters the vehicle or until the expiration of the engine run time.

**Caution!!!** Do not leave children or pets unattended in a vehicle standing in Idle Mode.

### Turbo Mode

If turbo mode is configured at installation, it will allow a turbocharger to idle down after the user leaves the vehicle: the unit will take over the vehicle and keep it running for 60 seconds (or until it is shut down by remote control), then shut down the engine.

### Proceed as follows to set the system to Turbo Mode:

1. With the engine already running, press the **LOCK** button on the transmitter until the parking lights come **ON**.
2. Remove the ignition key from the ignition switch. The engine will go on running.
3. Exit the vehicle and close the door.
4. Press the **TRUNK** button to lock the doors; the engine will shut down after 60 seconds of Turbo Mode.

## Valet Mode

### Valet Mode Using the Valet Switch (if installed)

When your vehicle is in valet mode, the remote starter functionalities are disabled. If the vehicle needs to be serviced, or if you park it indoors, the valet mode will prevent the engine from being remote-started accidentally.

#### To put the system in to valet mode:

1. Turn the ignition key to the **IGNITION ON (RUN)** position.
2. Within 3 sec., press the valet button (the L.E.D. will come **ON** solid).
3. The parking lights will flash three times to indicate that the vehicle is now in valet mode. The L.E.D. will come **ON** solid.

#### To take the system out of valet mode:

1. Turn the ignition key to the **IGNITION ON (RUN)** position.
2. Within 3 sec., press and release the valet button (the L.E.D. will come **OUT**).
3. The parking lights will flash twice to indicate that the vehicle is now in valet mode. The L.E.D. will go out.

**Note:** Once valet mode is activated, the remote starter and alarm functions will be disabled.

### Ignition Valet

This feature will allow you to remotely put your system into valet mode by using the ignition key instead of the valet button as above. Ignition valet can be used without a valet button installed.

#### To put the system in to valet mode:

Insert the ignition key into the ignition switch. Within 10 sec., turn the key 5 times successively into the **IGNITION ON / RUN** and **OFF** positions.

The parking lights will flash three times to indicate that the vehicle is now in valet mode. The L.E.D. will come **ON** solid.

#### To take the system out of valet mode:

Insert the ignition key into the ignition switch. Within 10 sec., turn the key 5 times successively into the IGNITION ON / RUN and OFF positions.

The parking lights will flash twice to indicate that the vehicle is now in valet mode. The L.E.D. will go out.

**Note:** With the remote valet activated, the remote starter and alarm functions will be disabled.

### Remote Valet Mode

This feature will allow you to remotely put your system into valet mode by using the transmitter instead of the valet button as above.

#### Getting into valet mode

- Hold the UNLOCK and START/STOP buttons simultaneously for 3 second.
- **The parking lights will flash 3 times.**

The LED will remain on solid.

#### Getting out of valet mode

- Hold the UNLOCK and START/STOP buttons simultaneously for 3 second.
- **The parking lights will flash 2 times.**

The LED will turn off.

### "Home Valet<sup>TM</sup>" Mode

If configured at installation, this feature will remotely set the vehicle to a no-remote-start mode: if the vehicle is parked indoors there is no danger of it starting accidentally by remote control.

**Note:** Once the home valet mode is activated, the vehicle will not start by remote.

#### To take the system i n t o home valet mode:

- Press the LOCK or UNLOCK button.
- Within 3 seconds, press the LOCK and START/STOP buttons simultaneously until the parking lights go out

#### To take the system o u t o f home valet mode:

- Turn the ignition key to the IGNITION ON (RUN) position.

The system will warn you if someone attempts to start your vehicle while it stands in home valet mode. The parking lights will:

- 1- Turn ON then OFF; then
- 2- Flash **twice**, pause; then
- 3- Flash **twice** again.

### Panic Mode

In an emergency situation, you can activate panic mode by pressing and holding the SHIFT button for 3 seconds until the alarm is activated and the parking lights start flashing. If the vehicle is under a remote start, the engine will shut down immediately.

You can stop the horn by pressing the LOCK or UNLOCK button.

Or by pressing and holding the SHIFT button for 3 seconds.

Furthermore, the panic mode can be stop by activating one of the following three (3) features:

- a) Remote valet (pressing UNLOCK and START/STOP for 3 seconds)
- b) Ignition valet (turning the key inside the ignition switch from OFF to ON 5 times in a row)
- c) If the key is in the ignition and turned to the ON position, by pressing the valet switch (if included).

Panic Mode will automatically shut down after 30 sec. if the system is armed in passive mode and 1 minute if armed in active mode. If there is an intrusion (door, hood, trunk, ignition or shock) the alarm will sound for 1 minute.

## **Quick Lockout™**

(Also called **secure panic**.) For fast protection in emergency situations, the system will **LOCK** all doors when you press the **brake pedal while you hear the sound signal**. (**Quick lockout** is only available when **panic mode** has been set off.) For example: a person is pursued, or feels threatened, from a reasonable distance, he or she can disarm his or her vehicle by pressing the **UNLOCK** button. Still while approaching the vehicle, the **SHIFT** button must be pressed and held for 3 seconds. It is now possible to take possession of the vehicle by immediately pressing on the break pedal, therefore locking the doors. The vehicle is ready to start with key and the siren (or horn) is activated to discourage the attacker. The person can now leave safely and deactivate the Panic Mode by pressing the **LOCK** or **UNLOCK** button.

## **Temporary Chirp Delete**

To temporarily disable the chirp confirmations of the siren upon arming and disarming (e.g. in a quiet neighbourhood):

1. Press the **TRUNK** button.
2. Within 3 sec., press the **LOCK** or **UNLOCK** button to arm or disarm without any chirps.

## **Cold Weather Mode**

When cold weather mode is active, the engine starts every 2 hours and runs for 4 minutes (or for 9 or 20 minutes with diesel engines). Cold weather mode automatically ends after 24 hours.

### **To enter Cold Weather Mode:**

- Press the **SHIFT** button and then the **START/STOP** for **3 seconds**.
- There will be two (2) beeps and the parking lights will flash three (3) times.

### **To exit Cold Weather Mode, do any one of the following actions:**

- Open the hood.
- Start the engine by remote.
- Turn the ignition key to the **IGNITION ON (RUN)** position.
- Press the **SHIFT** button and then the **START/STOP** button for three seconds.
- There will be one (1) beep and the parking lights will flash once.

### **To verify whether the system is in cold weather mode:**

Press and release the brake pedal:

If the vehicle is in cold weather mode, the parking lights will stay on while the pedal is pressed.

## **Advanced Features: Installation-programmable Options**

The remote starter was designed with flexibility and OEM integration in mind. With its programmable options, this unit can single-handedly control nearly any electrical system in your vehicle.

**Caution:** The programming of your system should be left to a professional. Changing any one of the settings may affect the operation of your remote starter.

### **The installation-programmable options are as follows:**

Passive or Active Arming	Starter Kill / Anti-grind feature
Remote Door Locks	Horn Chirp Timing
Priority Door Access	Safe Start
Ignition-controlled Door Locks	Home Valet™
Ignition Re-lock	Turbo Mode
Relock	Engine Run Time
Secure Lock	Extended run time
Remote Trunk Release	Multi-car Operation

## Passive or Active Arming

The security system and the starter kill can be configured either to passive mode (so as to arm automatically) or active mode (so as to require user intervention for arming). By default, your remote starter is configured to **passive mode**. In passive mode, the starter kill will automatically arm **30 seconds** after the last door is closed. The remote starter will not arm if a door is left open, or if you re-open a door within the 30-second delay. Please note that when pressing the **TRUNK** button, the trunk will open and the security system will disarm. If your vehicle is in passive mode, the security system will rearm after a 30-second delay, after the last door, trunk or hood is closed.

**Important note:** When the system re-arms automatically or if there is an alarm condition, you can disarm the system by simply pressing the **UNLOCK** button.

## Remote Door Locks

If your remote starter was installed with the remote door locks option, you will have the convenience of remote keyless entry.

## Priority Door Access

If the remote door locks option is installed on your vehicle, this safety feature allows you unlock solely the driver's door with a single press of the **UNLOCK** button on the transmitter; upon a second press of the **UNLOCK** button, all the other doors will unlock.

## Ignition-Controlled Door Locks and Relock

This is an added security feature. If your remote starter was installed with the ignition-controlled door locks option, the doors will automatically be locked as soon as the ignition key is turned to the **IGNITION ON (RUN)** position while the brakes are pressed. The remote car starter will also lock any door that was unlocked and opened and closed again the next time the break pedal is pressed. When the key is turned to the **OFF** position, the doors will automatically be unlocked.

## Relock

If you unlock the doors with the remote transmitter, but do not open any doors, hood or trunk, or turn ignition within 30 seconds, the doors will automatically relock and rearm the system.

**Note:** When the system is in **active arming** mode and the **relock** mode is enabled, the doors will relock but the system will not rearm.

## Secure Lock

Before it can remote-start your vehicle, the remote starter must first disarm the factory security system. The secure lock feature may be required on certain vehicle models with factory security systems that automatically unlock the doors when the security system is disarmed.

To keep your vehicle protected when the factory security system is disarmed for a remote start, secure lock will relock your doors as soon as the vehicle has started. Once the engine run cycle ends, secure lock will rearm your factory security system.

## Remote Trunk Release

If your system was installed with the remote trunk release option, you can open your trunk by pressing the **TRUNK** button. There will be one beep and LED #3 will flash 3 times.

## The Starter Kill and the Anti-grind Feature

With this added security feature, the system will prevent your vehicle from starting with the ignition key when the security system is armed. If your remote starter was installed with the starter kill option, one will not be able to start your vehicle with the key unless the system has been unlocked and disarmed first, or put into valet mode.

**Note:** If the starter kill is installed, your vehicle will benefit from a protection against starter motor damage that could occur after remote-starting the engine should the user, by force of habit, turn the ignition key to the **CRANK** position.

## Safe Start

If this feature is enabled, the user must press the **START/STOP** button 2 times within 3 seconds to remote-start the vehicle. This will eliminate accidental remote starts, e.g. when children are playing with the transmitter.

If **swap start mode** is selected, to remote-start your vehicle, press the **LOCK** and **UNLOCK** buttons simultaneously. The **AUX 2** output can be activated by pressing the **START/STOP** button.

## Home Valet™

If this feature is installed, the user will have the possibility to remotely set the vehicle to a no-remote-start mode.

## Turbo Mode

When left in turbo mode, the remote starter will keep the engine running for 60 seconds before shutting it down. This is to allow a turbocharger to idle down after the user leaves the vehicle.

## Engine Run Time

If you have a gas engine, your remote starter can be programmed to run the engine for 4, 15, or 25 minutes (15 minutes by default). If you have a diesel engine, the remote starter can be programmed to run the engine for 9, 20, or 30 minutes (20 minutes default).

## Extended Run Time

While the vehicle is running under a remote start, **pressing and holding the START/STOP button for more than 3 seconds** will reset the run time counter to zero and restart the run time cycle from the beginning. There will be one beep—a pause—three more beeps; the parking lights will flash three times and the horn (if configured) will honk once. **The extended run time procedure can only be carried out once per remote start.**

To stop the vehicle, at any moment, simply press the **START/STOP** button.

**Example:** If your remote car starter is programmed for a run time of 4 minutes and your vehicle has been running for 3 minutes already, pressing the **START/STOP** button will reset the counter to zero and allow the engine to run for another cycle (in this case, 4 minutes).

## Multi-car Operation

This option allows the owner of two vehicles, both equipped with the same remote starter model, to control both systems with a single remote control. To control the second vehicle, simultaneously press the **TRUNK** button and the button of the function you wish to use.

**Note:** Your remote control must be configured for second car operation by the installer.

Press SHIFT ➤ SHIFT ➤ + LOCK button simultaneously:	LOCK
Press SHIFT ➤ SHIFT ➤ + UNLOCK:	UNLOCK
Press SHIFT ➤ SHIFT ➤ + START/STOP:	START
Press SHIFT ➤ SHIFT ➤ + START/STOP:	STOP
Press SHIFT ➤ SHIFT ➤ + TRUNK:	TRUNK

## Shock Sense, Warn-away Sense

(Both enabled by default.) Your System will react to a full shock by triggering the alarm; it can also respond to a lighter shock (30 % of the strength of a full shock) by giving a **warn-away** (without triggering an alarm condition). When the engine is running after a remote start, however, **the System will prevent any alarm condition to be triggered**; it will still give a warn-away if this feature has not been disabled at installation.

**Note:** After a remote start, although the shock sensor is disabled, all the other alarm-triggering zones, such as the doors or the hood, may still trigger an alarm.

## Siren or Horn Chirps

(On by default.) The siren will chirp to confirm basic operations on the System:

By default, upon **locking** the doors the siren will give **one chirp** if no protection zone is active.

If a **zone is active** as the doors are being **locked**, the siren will give **three chirps**.

When the doors are being **unlocked**, the siren will give **two chirps** if no intrusion was detected.

If an **intrusion was detected**, as the doors are being **unlocked** the siren will give **four chirps**.

The system can alternatively be set to:

**Warning Mode:** no chirp during lock/unlock...

unless a zone is active when locking, in which case there will be 3 chirp upon locking

or unless the alarm was triggered, in which case there will be 4 chirps when unlocking);

**Open Zone Notification Mode:** 3 warning chirps if a door is left open 10 sec. after arming.

**No Chirp:** the siren will not chirp under any circumstance.

## Disarmed Notification

(Off by default.) This feature will notify the user when the vehicle was left disarmed: after the engine is shut down (with the key removed) and all doors are closed, the siren will chirp once after a 10-sec. notification delay to warn the user that the vehicle was left unprotected. The notification can be avoided by pressing the **LOCK** or **UNLOCK** button on the transmitter.

The user will likewise be notified after the System is disarmed using the transmitter.

## Car Finder

(Enabled by default.) When enabled, the Car Finder option will help you locate your vehicle by generating a pulsating signal through the horn or the siren. To hear the signal, press **LOCK** and **UNLOCK** simultaneously. This will cause one chirp and one flash of the lights every time you repeat the sequence.

## Flashing LED

There are three programmable options regarding the flashing LED:

- i. **Active arming:** the LED flashes normally.
- ii. **Passive arming:** the LED flashes at an accelerated pace during the countdown before the activation of the starter kill and the security system. Once the starter kill and the security system are armed, the LED will flash at a slower pace.
- iii. **Valet Mode:** the LED will remain on but will not flash.

## Troubleshooting Transmitting Range

Many factors may affect the operating range of the transmitter. Some of these are:

- The condition of the battery in the transmitter.
- The operating environment (for example: downtown radio-frequency noise, airports, cellular phone towers...)
- Metal: any type of metal will affect operating range. This includes the metal in the car.
- The shape of the vehicle can affect range as well; vans in general have an especially poor range.
- The shape of the roof and A-pillars brings about considerable radio-frequency deflection (in this case the signal from the remote control). As a result, the direction in which the vehicle is facing in relation to the remote control can affect the range. Straight on – standing in front of the vehicle – generally gives you the greatest range; the second best performance is from the back. Using the remote control from either side of the vehicle will usually give the lowest range.
- The range will be significantly lower in a crowded parking lot than in open space.
- Always hold the transmitter high, approximately at shoulder height. Holding the transmitter against your chin will also increase your range: your head acts as an antenna.
- The operating range will be somewhat lower on vehicles equipped with an aftermarket or factory alarm.

## Events playback start Failure Codes through the Parking Lights

Ensure that the Hood is up, that the vehicle is not in Valet Mode and that the Ignition is OFF.

- Hold down the Hood Pin-switch for 4 seconds.
- Release the Pin-switch. **The Parking Lights will come on.**
- While the Parking Lights are on, immediately push the Pin-switch 3 more times

**(down-up / down-up / down-up).**

**The Parking Lights and L.E.D. will flash the five events stored in memory.**

### Events playback

The first four playback codes are **Start Failure Events**, while the last playback code is an **Intrusion Code**. There is a pause after each event code is played back.

The system will play back the most recent event first, then the second one, and so on. If there is no event at all to report, the Parking Lights will give one long flash.

To jump directly the Intrusion Code, press the Brake Pedal. Close the Hood tso end playback.

1 x = No Start

3 x = Hardware Reset

4 x = Brakes

5 x = No Tach Cut-off

6 x = Hood

7 x = Engine Running, no Ignition detected,  
or Tach before Start

10x = Alarm condition

**Note:** “x” stands for one flash of the Parking Lights

## Intrusion Codes through the LED Light

If there has been an intrusion in the vehicle while it was locked and armed, the LED will provide an intrusion code matching the type of the intrusion which took place. Disarm the alarm to identify the intrusion. The LED intrusion codes are flashed in continuous loops:

2 x = Doors intrusion

3 x = Shock Sense

4 x = Hood

5 x = Panic

6 x = Ignition

7 x = Trunk

The alarm diagnostic by LED projects a LED flash sequence immediately after disarming and will remain in that state of alarm memory until the ignition is turned ON.

## Diagnostics – Parking Light Flash Table

Flashes	Description
1	<ul style="list-style-type: none"> <li>Doors locked, starter kill armed.</li> <li>End of run time.</li> <li>TRUNK button pressed</li> <li>Start signal received by the module.</li> <li>Cold weather mode cancelled.</li> <li>Cannot start after maximum number of attempts is reached.</li> </ul>
2	<ul style="list-style-type: none"> <li>Doors unlocked, starter kill disarmed.</li> <li>Run time cancelled.</li> <li>Remote start attempt cancelled by remote.</li> <li>Exiting remote valet</li> <li>Exiting ignition valet</li> </ul>
3	<ul style="list-style-type: none"> <li>Entering cold weather mode.</li> <li>Entering extended run time.</li> <li>Entering remote valet</li> <li>Entering ignition valet</li> </ul>
4	<ul style="list-style-type: none"> <li>+12 V where detected on the brake line and cranking was cancelled.</li> <li>Entering tach-programming mode</li> </ul>
5	<ul style="list-style-type: none"> <li>New transmitter programmed.</li> <li>Tach programmed.</li> </ul>
6	<ul style="list-style-type: none"> <li>A remote start was attempted while a tach or a vacuum signal was detected before cranking.</li> </ul>
8	<ul style="list-style-type: none"> <li>Unit reset: occurs when the unit is reset to the factory defaults.</li> </ul>
10	<ul style="list-style-type: none"> <li>The hood switch line went to ground during cranking or run time.</li> </ul>
1 – pause – 2	<ul style="list-style-type: none"> <li>There was an attempt to start the vehicle while the module was in valet mode.</li> </ul>
ON solid	<ul style="list-style-type: none"> <li>Cold weather mode: the brake pedal is being held down.</li> </ul>
2 – pause – 2	<ul style="list-style-type: none"> <li>There was an attempt to start the vehicle while the module was in home valet mode.</li> </ul>
ON 2 sec.	<ul style="list-style-type: none"> <li>The hood is up and the hood switch line went to ground. This is step one of the programming centre procedure.</li> </ul>
ON 3 sec.	<ul style="list-style-type: none"> <li>First press of the START button under safe start.</li> </ul>
ON 4 sec.	<ul style="list-style-type: none"> <li>Locking or unlocking a door (with door pulses configured to 4 sec.)</li> </ul>
ON 25 sec.	<ul style="list-style-type: none"> <li>The hood pin-switch has been pressed twice: the unit went into step 1 of the programming centre procedure, and no transmitter activity was detected for 20 seconds.</li> <li>Or the unit went into step 1 of the transmitter programming procedure and no activity was detected for a few seconds. The unit has exited the transmitter programming procedure.</li> </ul>
Irregular	<ul style="list-style-type: none"> <li>If the unit gives irregular signals (1 to 10 flashes followed by a pause, followed by further flashes), the system is playing back start failure codes. This occurs when the hood pin-switch is pressed three times</li> </ul>
Constant flashes up to 30 sec.	<ul style="list-style-type: none"> <li>Panic mode is triggered.</li> </ul>